

Title (en)  
LATCHING AND LOCKING MECHANISM FOR A FOLDABLE WING ARRANGEMENT

Title (de)  
VERRIEGELUNGS- UND SPERRMECHANISMUS FÜR EINE FALTBARE FLÜGELANORDNUNG

Title (fr)  
MÉCANISME DE VERROUILLAGE ET DE BLOCAGE POUR UN AGENCEMENT D'AILE PLIABLE

Publication  
**EP 3287364 B1 20191023 (EN)**

Application  
**EP 16185948 A 20160826**

Priority  
EP 16185948 A 20160826

Abstract (en)  
[origin: EP3287364A1] A wing arrangement for an aircraft is described comprising a latching arrangement (29, 29', 29'') having a latching member (31, 31', 31'') and an engagement device (33), wherein the latching member (31, 31', 31'') is fixed to the tip section (13), wherein the engagement device (33) comprises a base member (35) which is supported in a predetermined position on the base section (7) and which comprises an abutment surface (43), and an engagement member (45, 45', 63) which is supported on the base section (7) and which is movable between a release position and a latching position by means of an actuator (49, 49') coupled to the engagement member (45, 45', 63) and the base section (7), wherein when the tip section (13) is in the deployed position, the latching member (31, 31', 31'') abuts on the abutment surface (43) and the engagement member (45, 45', 63) can be moved between the release position and the latching position, wherein when the latching member (31, 31', 31'') abuts on the abutment surface (43) and the engagement member (45, 45', 63) is in the latching position, the engagement member (45, 45', 63) abuts on a surface section of the latching member (31, 31', 31'') facing away from the abutment surface (43) so as to prevent a pivot movement of the tip section (13) about the pivot axis (19) out of the deployed position towards the stowed position.

IPC 8 full level  
**B64C 3/56** (2006.01)

CPC (source: EP US)  
**B64C 3/56** (2013.01 - EP US); **Y02T 50/10** (2013.01 - EP US)

Cited by  
US10994827B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3287364 A1 20180228; EP 3287364 B1 20191023**; US 10737762 B2 20200811; US 2018057144 A1 20180301

DOCDB simple family (application)  
**EP 16185948 A 20160826**; US 201715685435 A 20170824